

**BMEN 428/CSCE 489/BMEN 689 Homework #5 (Timers and Serial Communication)**

**Name:** \_\_\_\_\_ **Student Number:** \_\_\_\_\_

1. (15 points) Example 8.2 page 281 (Textbook)

**2. (25 points) Example 8.9 page 305 (Textbook)**

3. (25 points) Explain the protocol flow when a master device reads from a slave device in I<sup>2</sup>C. In addition to describing in words, support your answer with a timing diagram.

**4. (35 points) Example 10.7 page 584 (Textbook)**